No.



200000050

HHE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE; PRESENTS SHALL COME;

Abbott and Cobb, Inc.

THE LEGIST THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED. PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED PEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, R CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN DUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY

ECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WATERMELON

'Summer Flavor-900'

likna

In Testimony Mixerest, I have hereunto set my hand and caused the seal of the Plant Mariety Protection Office to be affixed at the City of Washington, D.C. this twenty-eighth day of April, in the year of our Lord two thousand.

Am narie Da

Commissioner Plant Variety Protection Office Agricultural Marketing Service

Secretary of Agriculture

Form Approved - OMB No. 0581-00

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The holowing state ments are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

Application is required in order to determine it.

(If U.S.C. 2421). Information is held confident.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

(Instructions and information collection burden statement on rev	erse)		
Abbott and Cobb, Inc		2. TEMPORARY DESIGNATION OF EXPERIMENTAL NAME	SUMMET FLAVOR
A ADDRESS (Street and No., or R.F.D. No., Cay, State, and ZIP Code, and Country) P. O. BOX 307 ECGSTERVILLE, PA 1905	53-0307	5. TELEPHONE (include area code 215 245 - 6666 6. FAX (include area code) 215 245 - 9043	FOR OFFICAL DECIMENT
Corporation f	NCORPORATED, GIVE NTE OF INCORPORATION	9. DATE OF INCORPORATION	11/9/99
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION A	preside.	nt.	FILING AND EXAMINATION FEES: E 24 60 R DATE 11-9-99 C CERTIFICATION FEE: 1 300 DATE 3/6/00
11. TELEPHONE (Include area code) 2/5-6666 2/5-9043 15. GENUS AND SPECIES NAME OF CROP CITUILUS LANGUAGE 12. FAX (Include area code) 2/5-9043	13. EMAIL SUMMERSWE 16. FAMILY NAME (BOLZANICA CUCUPDIT	@ AOL COM W	CROP KIND (Common Name) A + et melon STHE VARIETY A FIRST GENERATION YERID? YES NO
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions reverse) a. 区 Exhibit A. Origin and Breeding History of the Variety b. 区 Exhibit B. Statement of Distinctness c. 区 Exhibit C. Objective Description of Variety d. 区 Exhibit C. Objective Description of the Variety (Optional) e. 区 Exhibit C. Statement of the Basis of the Owner's Ownership f. Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that fissue culture will be deposited and maintained in an approved purpository) g. 区 Fing and Examination Fee (\$2.450), made psyable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)	20. DOES THE OV OF GENERATI	S S	VARIETY PROTECTION ACT) NO (If "no," go to item 22) VARIETY BE LIMITED AS TO NUMBER 19 6 1
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCE FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U OTHER COUNTRIES? YES	J. S. OR PROPERTY RI	GHT (PLANT BREEDER'S RIGHT OR	NO ASSIGNED
4. The owners declare that a viable sample of basic seed of the variety will be furnished with ap-for a suber propagated variety a tissue outure will be deposited in a public repository and mu. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Owner(s) is(are) informed that false representation herein can jeopardize protection and results.	t optication and will be replenished wintained for the duration of the o plant variety, and believe(s) that Act.	upon request in accordance with such entificate,	regulations as may be applicable, or
IGNATURE OF OWNER & Malley	SIGNATURE OF OV	WER	
IME (Prosse productive) TOHN F. MALLEY	NAME (Ploase print	or type)	
APACITY OR TITLE DATE DATE 1/2 99	CAPACITY OR TITL	E	DATE

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,45(\$300 filing fee and \$2,150 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variet Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$300 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication:
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Summer Flavor-900 has been selling in the USA and Mexico Since Jan 5, 1999

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Palent).)

Wr 9809, The female parent of SF-900 is protected under plant variety protection, Certificate 9900241, 1350ed on Some 3, 1999.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, '97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089.

Public reporting burden for this collection of information is estimated to average 30 minutes per assponse, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, ORAM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number is your lotter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, resigns, age, disability, political befiels, and marital or familial status. (Not all prohibits discrimination in its programs on the basis of race, color, national origin, sex, resigns, age, disability, political befiels, and marital or familial status. (Not all prohibits disability political befiels, and marital or familial status. (Not all prohibits disability) political befiels, and marital or familial status. (Not all prohibits disability) political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels, and marital or familial status. (Not all programs) per political befiels per political befiels per political per p



P.O. BOX 307 • FEASTERVILLE, PA 19053-0307 (215) 245-8666 • FAX (215) 245-9043

EXHIBIT A

BREEDING HISTORY: SUMMER FLAVOR-900

Summer Flavor-900 (SF-900) is a branded First Generation diploid hybrid watermelon in the "Allsweet "fruit type. The parents of SF-900 are W-9809 (female parent), and the public variety Allsweet (male parent).

Breeding History of Female parent w-9809

W-9809, the female parent of SF-900 is a protected variety under the Plant Variety protection Act, Certificate 9900241, issued on June 3, 1999.



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EXHIBIT B: STATEMENT OF DISTINCTNESS

Summer Flavor-900

Summer Flavor-900 most closely resembles "Allsweet ", however, it differs from Allsweet in the following characteristics:

- 1- The flesh color of Allsweet is light red, whereas, the flesh color of SF-900 is dark red in color. Using the "Royal Horticultural Colour Chart" as a reference, SF-900 will be rated SCARLET 19, whereas, Allsweet will be rated SCARLET 19/2. Please refer to the enclosed digital pictures showing the internal flesh colors of Allsweet and SF-900.
- 2- The seeds of Allsweet are small-medium in size, and mottled brown in color, whereas, The seeds of SF-900 are medium in size and solid black in color.

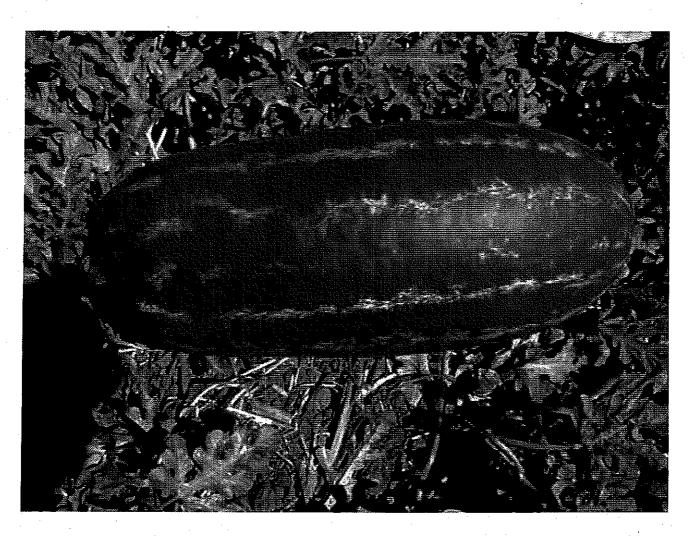
AGRICULTURAL MARKETING SERVICE

EXHIBIT C (Watermelon)

BELTSVILLE, MARYLAND 20705
OBJECTIVE DESCRIPTION OF VARIETY

INSTRUCTIONS: See Reverse. WATERMELON (CITRULLUS LANATO	US)			
Abbottand Cobbienc.	FOR OFFICIAL USE ONLY			
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	PVPO NUMBERU () U () U () U			
P.O. BOX 307	VARIETY NAME OR TEMPORARY			
Feasterville, PA 19053-0307	Summer Flavor-900			
7 040, 61 1116, 1211 11003 20 30 1	FI Hybrid			
Place the appropriate number that describes the varietal character of this variety in the Place a zero in first box (e.s. 0 8 9 or 0 9) when number is either 99 or less of	he boxes below. or 9 or less.			
1. TYPE:				
1 = OBLONG 2 = ROUND LARGE 3 = ROUND SMALL (icebox)				
2. AREA OF BEST ADAPTATION:				
1 = SOUTH 2 = NORTHEAST/NORTHCENTRAL 3 = SOUTHW	EST 4 ™ MOST AREAS			
3. EMERGENCE TO ANTHESIS:				
NO. OF DAYS EARLIER THAN				
0 1 NO. OF DAYS LATER THAN 2 2 = OTHER (Specify) ALLSWEET				
4. POLLINATION TO MATURITY:				
NO. OF DAYS EARLIER THAN				
0 1 NO. OF DAYS LATER THAN 2) 2 = OTHER (Specify) ALL SWECT				
5. PLOIDY:				
1 = DIPLOID 2 = TETRAPLOID 3 = TRIPLOID				
6. PLANT				
Cotyledon: 1 = FLAT 2 = FOLDED 1 = MONO	ECIOUS 2 = ANDROMÓNOECIOUS			
Number of flowers per plant at first fruit set:				
36 STAMINATE 03 PISTILLATE 00 PERFEC	NO. OF MAIN STEMS			
7. STEM:				
1 = ROUND 2 = ANGULAR 07 MM. DIA	AMETER AT SECOND NODE			
3 1 = GLABROUS 2 = SCABROUS 3 = PUBESCENT 4 = BRISTLED				
OB cm. VINE LENGTH + NO. OF INTERNODES (At last harvest)				
8. LEAF:				
	ER THAN WIDE 2 = LENGTH-WIDTH EQUAL R THAN LONG			
2 Dorsal Surface:				
1 = SMOOTH 2 = PUBESCENT	= Light Green 2 = GRAY GREEN			
Ventral Surface:) 3 Color: 3	- MEDIUM GREEN 4 - DARK GREEN			
9. FLOWER (At first fruit set): PiStillate				
0 3 Staminate: CM. ACROSS 0 3 Restect: CM. ACROSS	1 = LEMON YELLOW Color: 2 = YELLOW 3 = ORANGE			









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EXHIBIT D: ADDDITIONAL DESCRIPTIONS

The commercial cultivar Allsweet has been a popular cultivar with watermelon growers in the USA and Mexico, due to its dark stripes, disease resistances and wide adaptability. Allsweet has light red to pink colored flesh, medium brown mottled seeds, and a tendency to "bottle neck ", under some unfavorable growing conditions. The market prefernces, however, has been shifting towards a more intense red colored flesh, small to medium solid black seeds, and less tendency for "bottle necking ", especially during the early and late parts of the growing season. Moreover, due to demand/supply pressures, early in the season, the growers are harvesting watermelons ever earlier to attain favorable pricing. Allsweet has very light to pink color when cut early, and that has been a major draw back with this cultivar.

Summer Flavor-900 goes a long way to solve the the above mentioned problems associated with Allsweet, and it does meet most, if not all, the new trends in the market. It does have an intense red flesh, and the red color does develope relatively early.

"SERVING THE COMMERCIAL GROWER SINCE 1917"



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EXHIBIT D- Page-2

Summer Flavor-900 also has a medium-sized seeds that are solid black in color, which enhances the contrast with the intense red flesh color. In comparative growing tests in California, Texas, and Mexico, Summer Flavor-900 consistently showed much less tendency to "Bottle Necking" than Allsweet.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE	The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.			
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).			
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME		
Abbott and Cobb, Inc	OR EXPERIMENTAL NUMBER	SUMMER FLAVOR		
	'~	900		
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (include area code)	FAX (include area code)		
p. O. BOX 307	245-6666	245-9043		
Feasterville, PA 19053-0307	7. PVPO NUMBER	00050		
8. Does the applicant own all rights to the variety? Mark an "X" in appropri				
The state of the s	late block. It flo, please explain.	XI YES NO		
		•		
9. Is the applicant (individual or company) a U.S. national or U.S. based co		2.450		
If no, give name of country	()	YES NO		
10. Is the applicant the original owner? XYES N	O If no, please answer one of the fo	llowing:		
a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?				
YES NO If no, give name of country				
b. If original rights to variety were owned by a company(ies), is(are) the	original owner(s) a U.S. based company	?		
YES N	O If no, give name of country	Ý		
11. Additional explanation on ownership (if needed, use reverse for extra sp.	ace):			
Abbott and cobb, is the pole	owner of SF-C	100- This FI		
Abbott and Cobb, is the pole owner of Sf-900- This For hybrid uses a protected proprietary inbred (W-9809) as Female, and the public variety Ausweet as male.				
	7 770 3	-		
	•			
PLEASE NOTE:	***			
Plant variety protection can be afforded only to owners (not licensees) who meet one	of the following criteria:			
 If the rights to the variety are owned by the original breeder, that person must be which affords similar protection to nationals of the U.S. for the same genus and sp 	a U.S. national, national of a UPOV member pecies.	r country, or national of a country		
 If the rights to the variety are owned by the company which employed the origina member country, or owned by nationals of a country which affords similar protect 	il breeder(s), the company must be U.S. base tion to nationals of the U.S. for the same ge	d, owned by nationals of a UPOV nus and species.		
3. If the applicant is an owner who is not the original owner, both the original owner	and the applicant must meet one of the abo	ve criteria.		
The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.				

scentring existing data sources, gethering and maintaining the data needed, and completing and reviewing the collection of information.

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According to the Paperwork Reduction Act of 1935, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to compete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching entire time for reviewing instructions.

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TOD). USDA is an expenditure employeer.

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